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Patent: LOG-03-PUSA

## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

Claim 1 (currently amended): A method of preparing an image for imprinting on a soft surface comprising the steps:

providing an image on an image side of a heat transfer paper, said image comprising an ink compound;

applying powder to the image; and

applying heat to the heat transfer paper after applying the powder to the image;

wherein the ink compound comprises ink and aromatic polyisocyanates; and

wherein said ink compound and powder are such that said image can be imprinted on said soft surface with heat applied to said heat transfer paper at a temperature in the range of 220 to 400 degrees Fahrenheit for up to 15 seconds.

Claim 2 (previously presented): The method of Claim 1, wherein the ink compound comprises ink and aromatic polyisocyanates in a ratio of at least approximately 2 parts ink to 1 part aromatic polyisocyanates.

Claim 3 (previously presented): The method of Claim 1, wherein the heat is applied to the heat transfer paper for at least approximately 2 seconds at a temperature of at least approximately 100 degrees Fahrenheit.

Claim 4 (previously presented): The method of Claim 1, wherein the image is provided on the image side of the heat transfer paper by passing the ink compound through a screen onto the image side of the heat transfer paper.



Claim 5 (previously presented):

The method of Claim 1, wherein the powder

comprises thermoplastic co-polyamides.

Claim 6 (previously presented):

The method of Claim 1, wherein the ink comprises

polyvinyl chloride plastiso silk screen ink.

Claim 7 (previously presented):

The method of Claim 3, wherein the image is

provided on the image side of the heat transfer paper by passing the ink compound through a

screen onto the image side of the heat transfer paper.

Claim 8 (previously presented):

The method of Claim 1, further comprising the steps

of:

positioning the image side of the heat transfer paper against a soft surface;

applying heat and pressure to the heat transfer paper against the surface, causing the heat

transfer paper with the ink compound and the powder thereon to attach to the surface; and

removing the heat mansfer paper from the surface after applying the heat and the pressure

to the heat transfer paper against the surface, in a manner such that the image remains on the

surface.

Claim 9 (previously presented):

The method of Claim 8, further comprising the step

of applying heat to the surface after removing the heat transfer paper from the surface.

Claim 10 (previously presented):

The method of Claim 9, wherein heat is applied to

the surface after removing the heat transfer paper from the surface, for at least approximately 10

seconds at a temperature of at least approximately 220 degrees Fahrenheit.



Claim 11 (previously presented): The method of Claim 9, wherein the heat is applied to the heat transfer paper after applying the powder to the image, for at least approximately 2 seconds at a temperature of at least approximately 100 degrees Fahrenheit.

Claim 12 (previously presented): The method of Claim 9, wherein heat is applied to the surface in a curing tunnel.

Claim 13 (previous y presented): The method of Claim 8, further comprising the step of ensuring the temperature of the surface is at least as low as 180 degrees Fahrenheit before removing the heat transfer paper.

Claim 14 (previously presented): The method of Claim 8, wherein the pressure applied is at least approximately 30 pounds per square inch.

Claim 15 (previously presented): The method of Claim 8, wherein the pressure is applied for at least approximately 2 seconds.

Claim 16 (previously presented): The method of Claim 8, wherein the pressure is applied at a temperature of at least approximately 150 degrees Fahrenheit.

Claim 17 (previously presented): The method of Claim 8, wherein the pressure applied is within a range of approximately 30-120 pounds per square inch, and the pressure is applied for approximately 2-40 seconds at a temperature within a range of approximately 150-400 degrees Fahrenheit.

Claim 18 (previously presented): The method of Claim 8, wherein the surface is on a consumer article, and further comprising the step of securing the consumer article to an apparatus before positioning the image side of the heat transfer paper against the surface.

Claim 19 (currently amended): A method of preparing a multi-color image for imprinting on a soft surface comprising the steps:

forming a first image on an image side of a heat transfer paper using a first ink compound;

forming a second image on the image side of the heat transfer paper using a second ink compound, after forming the first image;

verifying heat is applied to the heat transfer paper before forming the first image thereon; applying heat to the heat transfer paper after forming the first image but before forming the second image;

applying heat to the heat transfer paper after forming the second image;

applying powder to the first and second images after forming the second image; and

applying heat to the heat transfer paper after applying the powder to the first and second images;

wherein the first inc compound comprises ink and aromatic polyisocyanates; and wherein the second ink compound comprises ink and aromatic polyisocyanates; and wherein the first inc compound is a first color, and the second ink compound is a second color, whereby the first image and the second image together form a multi-color image; and

wherein said first ink compound and powder are such that said image can be imprinted on said soft surface with heat applied to said heat transfer paper at a temperature in the range of 220 to 400 degrees Fahrenheit for up to 15 seconds.



Claim 20 (previously presented): The method of Claim 19, wherein the first ink compound comprises ink and aromatic polyisocyanates in a ratio of at least approximately 2 parts ink to 1 part aromatic polyisocyanates, and wherein the second ink compound comprises ink and aromatic polyisocyanates in a ratio of at least approximately 2 parts ink to 1 part aromatic polyisocyanates.

Claim 21 (previously presented): The method of Claim 19, wherein the heat is applied to the heat transfer paper after forming the first image but before forming the second image, and after forming the second image, each for at least approximately 2 seconds at a temperature of at least approximately 100 degrees Fahrenheit.

Claim 22 (previously presented): The method of Claim 19, wherein the powder comprises thermoplastic co-polyamides.

Claim 23 (previously presented): The method of Claim 19, wherein the ink comprises polyvinyl chloride plastisol silk screen ink.

Claim 24 (previously presented): The method of Claim 19, wherein the first image is formed on the image side of the heat transfer paper by passing the first ink compound through a first screen onto the image side of the heat transfer paper, and wherein the second image is formed on the image side of the heat transfer paper by passing the second ink compound through a second screen onto the image side of the heat transfer paper.

Claim 25 (previously presented): The method of Claim 19, wherein the heat is applied to the heat transfer paper after applying the powder to the multi-color image, for at least approximately 2 seconds at a temperature of at least approximately 100 degrees Fahrenheit.

Claim 26 (previously presented): The method of Claim 19, further comprising the steps:

positioning the image side of the heat transfer paper against a soft surface;

applying heat and pressure to the heat transfer paper against the surface, causing the heat transfer paper with the first ink compound, the second ink compound, and the powder thereon, to attach to the surface; and

removing the heat transfer paper from the surface after applying the heat and the pressure to the heat transfer paper against the surface, in a manner such that the multi-color image remains on the surface.

Claim 27 (previously presented): The method of Claim 26, further comprising the step of applying heat to the surface after removing the heat transfer paper from the surface.

Claim 28 (previously presented): The method of Claim 27, wherein heat is applied to the surface after removing the heat transfer paper from the surface, for at least approximately 10 seconds at a temperature of at least approximately 220 degrees Fahrenheit.

Claim 29 (previously presented): The method of Claim 27 wherein heat is applied to the surface in a curing tunnel.

Claim 30 (previously presented): The method of Claim 26, wherein the heat is applied to the heat transfer paper after applying the powder to the multi-color image, for at least approximately 2 seconds at a temperature of at least approximately 100 degrees Fahrenheit.

Claim 31 (previously presented): The method of Claim 26 further comprising the step of ensuring the temperature of the surface is at least as low as 180 degrees Fahrenheit before removing the heat transfer paper.

Claim 32 (previously presented): The method of Claim 26 wherein the pressure applied is at least approximately 30 pounds per square inch.

Claim 33 (previously presented): The method of Claim 26, wherein the pressure is applied for at least approximately 2 seconds.

Claim 34 (previously presented): The method of Claim 26, wherein the pressure is applied at a temperature of at least approximately 150 degrees Fahrenheit.

Claim 35 (previously presented): The method of Claim 26, wherein the pressure applied is in a range of approximately 30-120 pounds per square inch, and the pressure is applied for approximately 2-40 seconds at a temperature within a range of approximately 100-400 degrees Fahrenheit.

Claim 36 (currently amended): A method of imprinting an image on a soft surface comprising the steps:

providing an image on an image side of a heat transfer paper;

positioning the image side of the heat transfer paper against a surface;

applying heat and pressure to the heat transfer paper against the surface, causing the heat transfer paper with the image thereon to attach to the surface; and

removing the heat transfer paper from the surface after applying the heat and the pressure to the heat transfer paper against the surface, in a manner such that the image remains on the surface;

wherein the image is formed on the image side of the heat transfer paper using an ink compound, and is coated with a powder and then heated for at least approximately 2 seconds at a

temperature of at least approximately 100 degrees Fahrenheit, prior to positioning the image side of the heat transfer paper against the surface; and

wherein the ink compound comprises ink and aromatic polyisocyanates; and

wherein said first ink compound and powder are such that said image can be imprinted on said soft surface with heat applied to said heat transfer paper at a temperature in the range of 220 to 400 degrees Fahrenheit for up to 15 seconds.

Claim 37 (previously presented): The method of Claim 36, further comprising the step of applying heat to the surface after removing the heat transfer paper from the surface.

Claim 38 (previously presented): The method of Claim 37, wherein heat is applied to the surface after removing the heat transfer paper from the surface, for at least approximately 10 seconds at a temperature of at least approximately 220 degrees Fahrenheit.

Claim 39 (previously presented): The method of Claim 36, wherein the ink compound comprises ink and aromatic polyisocyanates in a ratio of at least approximately 2 parts ink to 1 part aromatic polyisocyanates.

Claim 40 (previously presented): The method of Claim 36, wherein the powder comprises thermoplastic co-polyamides.

Claim 41 (previously presented): The method of Claim 36, wherein the ink comprises polyvinyl chloride plastisol silk screen ink.

Claim 42 (currently amended): A method of imprinting a multi-color image on a soft surface comprising the steps:

forming a first image on an image side of a heat transfer paper using a first ink compound;

forming a second image on the image side of the heat transfer paper using a second ink compound, after forming the first image;

wherein the first ink compound is a first color, and the second ink compound is a second color, whereby the first image and the second image together form a multi-color image;

verifying heat is applied to the heat transfer paper before forming the first image thereon; applying heat to the heat transfer paper after forming the first image but before forming the second image, for at least approximately 2 seconds at a temperature of at least approximately 100 degrees Fahrenheit;

applying heat to the heat transfer paper after forming the second image, for at least approximately 2 seconds at a temperature of at least approximately 100 degrees Fahrenheit;

applying powder to the multi-color image;

applying heat to the heat transfer paper after applying the powder to the multi-color image, for at least approximately 2 seconds at a temperature of at least approximately 100 degrees Fahrenheit;

positioning the image side of the heat transfer paper against a surface;

applying heat and pressure to the heat transfer paper against the surface, said heat applied to said heat transfer paper at a temperature in the range of 220 to 400 degrees Fahrenheit for up to 15 seconds; causing the heat transfer paper with the first ink compound, the second ink compound, and the powder thereon, to attach to the surface; and

removing the heat transfer paper from the surface after applying the heat and the pressure to the heat transfer paper against the surface, in a manner such that the multi-color image remains on the surface;



wherein the first ink compound comprises ink and aromatic polyisocyanates; and wherein the second ink compound comprises ink and aromatic polyisocyanates.

Claim 43 (previously presented): The method of Claim 42, further comprising the step of applying heat to the surface after removing the heat transfer paper from the surface.

Claim 44 (previously presented): The method of Claim 43, wherein heat is applied to the surface after removing the heat transfer paper from the surface, for at least approximately 10 seconds at a temperature of at least approximately 220 degrees Fahrenheit.

Claim 45 (previously presented): The method of Claim 42, wherein the first ink compound comprises ink and aromatic polyisocyanates in a ratio of at least approximately 2 parts ink to 1 part aromatic polyisocyanates, and wherein the second ink compound comprises ink and aromatic polyisocyanates in a ratio of at least approximately 2 parts ink to 1 part aromatic polyisocyanates.

Claim 46 (previously presented): The method of Claim 42, wherein the powder comprises thermoplastic co-polyamides.

Claim 47 (previously presented): The method of Claim 42, wherein the ink comprises polyvinyl chloride plastisol silk screen ink.

Claim 48 (previously presented): The method of Claim 42, further comprising the step of ensuring the temperature of the surface is at least as low as 180 degrees Fahrenheit before removing the heat transfer paper.

Claim 49 (previously presented): The method of Claim 42, wherein the pressure applied is at least approximately 30 pounds per square inch, for at least approximately 2 seconds, at a temperature of at least approximately 100 degrees Fahrenheit.

Claim 50 (previously presented): The method of Claim 42, wherein the pressure applied is in a range of approximately 30-120 pounds per square inch, and the pressure is applied for approximately 2-40 seconds at a temperature within a range of approximately 100-400 degrees Fahrenheit.